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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-E/OC-O&T		1 September - 30 September 57

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5021	II	FES	[redacted]

25X1A9a

PROJECT TITLE

DF Development and Replacement Program

PROJECT REQUIREMENT

To provide standard DF equipments of the following types to meet Agency requirements: (a) Semi-fixed HF, DF. (b) Portable HF, DF. (c) Portable VHF, DF. (d) Close range, body type HF, DF.

PROJECT DESCRIPTION

Investigate military, FCC and commercial developments in the field of DF. Compile a report on the latest development, including cost, availability and specification and recommend equipments for standardization. Should the investigation be unfruitful, prepare specifications for the development and manufacture of equipments to meet Communications requirements.

25X1A9a

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
March 1957	[redacted]	March 1957	

During this reporting period a trip was made to the main Navy Building to discuss with Mr. Egan of the Countermeasures Branch, Electronic Design and Development Division, Bureau of Ships, the latest RDF developments in the Navy. The only information of a developmental nature was a High Frequency Wellenweber system being developed by the University of Illinois. See the attached trip report, dated 17 September.

Brochures from commercial firms to date have failed to reveal any equipment which could fill any of the requirements of the Office of Communications. The brochures thus far have mainly covered equipments for aircraft or shipboard use covering limited frequency ranges.

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-E		1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5034	I	EES	[redacted]

25X1A9a

PROJECT TITLE

Development of 8" Tape Reel for AFSAM-7

PROJECT REQUIREMENT

Design a tape reel to provide longer running time than is now available with 4" tape reel

PROJECT DESCRIPTION

The design characteristics to include:

A. Maximum diameter reel (8").

B. Ease of mounting

C. Reel mounted in AFSAM-7 carrying case.

25X1A9a

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
1 October 1956	[redacted]	8 October 1956	

A stumbling block has been encountered in the procurement of the reels needed for the modification. It appears that NSA cannot supply the reel assemblies since spare reels for the units that are in use were never carried as a ready made stock item. However, they are endeavoring to procure sufficient parts to assemble one reel that can be utilized by us as a prototype for the manufacture of other assemblies.

If it is found impossible to procure a reel from NSA, then the necessary drawings and other arrangements will be made to completely construct this reel assembly from scratch.

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY, AMOUNT	REPORTING PERIOD
OC-E		1 September - 30 September

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5037	II	FES	[redacted]

25X1A9a

PROJECT TITLE

Technical Bulletins

PROJECT REQUIREMENT

To keep the field supplied with current technical information pertinent to general operation.

PROJECT DESCRIPTION

Scan technical literature to determine and select items for field distribution, determine distribution category, reproduce required number of copies, prepare cover letters, arrange approval and coordination, and forward to appropriate areas.

25X1A9a

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
	[redacted]	2 February 1956	

Project No. E-5037

TECHNICAL BULLETINS

Technical Bulletin No. 17 - "Location and Suppression of Radio Interference.", was sent to all areas except Headquarters. Headquarters will be supplied when the necessary copies, now on order, are received by FES.

Technical Bulletin No. 18 - "Performance of the Quad Antenna." was issued to all areas including Headquarters.

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. 57 AMOUNT 14,5000	REPORTING PERIOD
OC-E		1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5041	I	EES	[redacted]

25X1A9a

PROJECT TITLE

RT-4 Transmitter Repackaging

PROJECT REQUIREMENT

Improve the reliability and operation features of the RT-4 Transmitter and package it with a Portable Master Oscillator in a rack for base station use.

PROJECT DESCRIPTION

The RT-4 Transmitter was originally made for small station intermittent use. Operational use has revealed some technical discrepancies and the transmitter has been placed "on the shelf." This project will be to correct these discrepancies and to mount the transmitter and PMO in the 48 inch rack for base station use. The task of redesign will be given to a consulting firm. A second firm will be given the task of compiling test data on a number of RT-4 Transmitters currently undergoing blower modification. This data will then be given to the first consulting firm.

25X1A9a

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
28 February 1956	[redacted]	1 March 1956	

25X1A5a1

Two [redacted] Portable Master Oscillators have been returned from the contractor, [redacted] for repair. The Installation and Maintenance Branch is effecting this repair.

25X1A5a1

The contractor has made satisfactory progress this month. Some of the work accomplished on extending the lower frequency range (3 to 4 mcs.) was:

a) Mounting arrangement for switching the capacitors has been completed.

b) The value of the capacitors to be used has been determined and they have been ordered.

c) One prototype model has been finished.

The rough draft of the new instruction manual has been written and is now being corrected. The cabinets have been delivered and the mounting brackets to support the RT-4 transmitter, PMO, and the power supply have been fabricated and are being painted. The cabinet fans, however, have not yet been delivered and [redacted] have not been able to get a delivery date from the manufacturer. The [redacted] Project Officer has been advised by the OC-E Project Officer to look for a new source for these cabinet fans.

25X1A5a1

25X1A5a1

(Continued)

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MONTHLY PROJECT REPORT

PROJECT NUMBER	PRIM. RSPN.	REPORTING PERIOD
E-5041	[redacted]/EES	1 - 30 September 1957

CONTINUED

It has been learned from the contractor that notification of an extended completion date for this contract had been sent to the Office of Logistics during the month of August. The new contract completion date is 15 November, 1957.

A satisfactory inspection report has been sent to the Office of Logistics.

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-E		1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5043	I	EES	[redacted] 25X1A9a

PROJECT TITLE

Motorola VHF/MUX Equipment for Stand-By Switchover

PROJECT REQUIREMENT

Provide compatible stand-by facilities for VHF/MUX systems when used as primary link.

PROJECT DESCRIPTION

Determine the feasibility and cost of adding stand-by RF units and power supplies for switch-over use when the VHF/MUX is the primary link. In addition an investigation will be made over the possible installation of ventilating fans when the equipment is operated under high ambient temperatures. A second phase of this project will be to prepare a bill of materials of operating spares which should be included with each MUX link.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
20 October 1956	WAB /s/ JJK /s/	February 1957	

The fan to be included in the modification kit for ventilating the VHF/MUX racks has been ordered from the [redacted] Company. The cost of the fan, including mounting hardware is approximately $25. 25X1A5a1

Previously, the fan type used in the DDR-2 modification kit (Modification Work Order #22) was also to be used in the MUX racks, but after investigating further, it was discovered that due to different rack construction another type would be required.

A rough draft of the Modification Work Order has been compiled, and will be published when a FIIN number for the fan has been received.

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-E		1 - 30 September 1957

☐ FUTURE ☐ ACTIVE ☒ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5050	I	EES	[redacted] 25X1A9a

PROJECT TITLE

25X1A Modification of the [redacted] 16-F and 231-D Transmitters

PROJECT REQUIREMENT

Determine modification to operate [redacted] 16-F and 231-D Transmitters 25X1A below 4 mc. when the excitation frequency is equal to the output frequency.

PROJECT DESCRIPTION

These transmitters multiply the input frequency by the factor of 2, 4, or 8. It is intended to have a consulting engineer investigate this problem and recommend possible transmitter modifications. The results of this investigation will be published as a standard Modification Work Order.

25X1A9a

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
1 May 1956	[redacted]	5 June 1956	September 1957

25X1A5a1 [redacted] requested an increase of funds of $550. over the original cost of this task. It was reviewed and approved and the appropriate memorandum was sent to the Office of Logistics.

The Operations and Training Division was advised of the receipt of the modification kits in the warehouse and the subsequent redelivery to the field. 25X1A6a Ten kits were ordered for [redacted] and two kits for [redacted] Both of these base 25X1A6a stations were notified and given an approximate ETA of the kits.

A brief description of what the modification will do was drafted and given to MSB for inclusion in their Supply Newsletter for further dissemination to the field. In this way, other base stations with a requirement for this type of operation of their 16-F-14 type transmitter will be informed and have the appropriate ordering information on hand.

A satisfactory final inspection report has been sent to the Office of Logistics.

This project is completed.

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
25X1A6a [redacted]/OC-E		1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5053	I	EES	[redacted] 25X1A9a

PROJECT TITLE

URT-11 Power Supply Arcing

PROJECT REQUIREMENT

The filament winding of a high voltage transformer and the filter choke are arcing at the feed-through bushings. This project is to determine the cause of and corrective measures for this problem.

PROJECT DESCRIPTION

Preliminary investigation has indicated this arcing-over is not caused by insufficient voltage ratings of the components. It may be caused by a resonance. The problem will be turned over to a consulting firm for investigation and recommendations. Corrective measures for eliminating this problem will be distributed as a Modification Work Order.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
15 September 1955	WAB /s/ JJK /s/	20 September 1955	February 1957

This project has been reactivated.

25X1A6a At the T&I Shop, [redacted] several transmitters have been modified to prevent transient voltages. Upon testing the modified power supplies, it was found that a breakdown occurred on a new transformer indicating the possibility of a further fault other than a transient voltage present in the URT-11 and RT-1B power supplies.

25X1A5a1 [redacted] have been advised of this and are now in the process of testing five transmitter power supplies for any faults. Other than the reporting of no transient voltage higher than the rectified DC voltage present, nothing conclusive has been found as yet. Six new transformers have been ordered for voltage breakdown tests.

Installation of the transient suppression modification has been stopped pending the results of this new investigation.

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-E		1-30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5055	II	SDS	[redacted] 25X1A9a

PROJECT TITLE

Test Equipment Standardization

PROJECT REQUIREMENT

Compile a list of standard test equipment for the Office of Communications' use.

PROJECT DESCRIPTION

Investigation has shown that some of the test equipment for use and stock is outdated and in many cases types of equipment are duplicated. This project will be to review OC support requirements and prepare a list of standard test equipment to support these requirements. This list will be used for procurement and stocking purposes.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
29 October 1956	WAB /s/ JJK /s/	February 1957	

25X1A9a Prior to his departure, [redacted] had nearly completed the rough drafts of the listings of the various pieces of test equipment. Ten sheets describing the qualities of some test equipment were distributed throughout the office of communications for comment. Some constructive criticism was obtained from R+D. Theirs, however, were the only remarks made. There is still one copy of the first drafts being circulated, and it is hoped that this copy will bring forth more comments from the interested parties.

The second phase of test equipment is being prepared. As soon as it is completed it too will be circulated to the various branches for comment.

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-P		1-30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5060	I	SDS	[redacted]

25X1A9a

PROJECT TITLE

Strategic Reserve Program

PROJECT REQUIREMENT

To provide readily available transportable type package radio stations at convenient locations throughout the world for immediate installation and operational use in the event of an emergency.

PROJECT DESCRIPTION

To provide bills of materials for 2, 5, 10, 13, 15, and 20 position transportable type package radio stations with suggested floor plan layouts and standard wiring diagrams to provide efficient equipment utilization.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
September 1953	WAB /s/ JJK /s/	September 1953	

The approved 20 Position Station Bill of Materials was received from OC-O+T and OC-P and was forwarded to MSB for further action.

The revisions, as mentioned in the previous monthly report, were also forwarded to MSB for action.

Drawings of typical antenna layouts, equipment layouts, and power distribution block diagrams for all of the Strategic Reserve Stations are now being prepared.

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-S		1 - 30 September 1957

☐ FUTURE ☑ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5071	I	EES	[redacted]

25X1A9a

PROJECT TITLE

Tiny-Tot Electro-Magnetic Radiation Reduction

PROJECT REQUIREMENT

Reduction of the radio-magnetic radiation to a maximum of 3 feet.

PROJECT DESCRIPTION

The present tiny-tot has detectable compromising electro-magnetic radiation up to 15 feet from the unit. Determine the radiation reduction by: shielding the magnets; reductions of magnet current; use of dummy magnets wired in opposition to the normal field; and use of external masking electro-magnetic field. Radiation recordings to be made on an oscilliscope for comparative reduction by individual and combinations of methods.

25X1A9a

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
29 October 1956	[redacted]	29 October 1956	

OO

The R&D test report on the use of a screen room to reduce Tiny Tot transient radiation has been received. The main point of the test is covered under conclusions, Para. 5d of the report which states, "The conducted and radiated interference was undetectable with the measuring equipment operating inside the screen room and the unit (Tiny Tot) operating outside the screen room." It should be noted that the Tiny Tat was not within the screen room, but placed outside alongside the screen room wall. This was done because the outside ambient noise level was so high that the measuring equipment had to be placed in the screen room; a noise free area. This report is being evaluated and then will be forwarded to the Security Division along with any necessary comments.

The NSA report will be completed and 2 copies furnished to us on/about 1 November. The acutal tests have been completed and the Tiny Tot equipment returned to I&MB/WMS.

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-E		1-30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5076	II	SDS	[redacted] 25X1A9a

PROJECT TITLE

Double Side Band Suppressed Carrier Communications System

PROJECT REQUIREMENT

Evaluation of newly designed communications equipment to keep abreast of the latest developments and to determine the feasibility of adapting this system for OC requirements.

PROJECT DESCRIPTION

This system consists of a transmitter Model AN/FRT-30 and receiver type AN/FRR-48 using a double side band suppressed carrier which has the advantage of not utilizing power for transmitting a carrier, similar to single side band suppressed carrier transmission with the advantages of the gain realized by transmitting both side bands. This evaluation will consist of operating a line between [redacted] 25X1A and OC-E to check the operation and technical characteristics of this sytem.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
10 October 1956	WAB /s/ JJK /s/	11 October 1956	

Two receivers are currently being evaluated at the [redacted] STATSPEC [redacted] STATSPEC We have learned that the Air Research and Development Command is interested in the synchronous detector principle for use in VHF air to ground voice communications. They plan to install DSBSC, CSSB and SSSC equipment in an aircraft and conduct comparative operational tests. These tests will be monitored and reports of the tests will be obtained.

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-O&T		1-30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5080	I	SDS	[redacted] 25X1A9a

PROJECT TITLE

Mobile Message Center

PROJECT REQUIREMENT

A Mobile Message Center is required as a companion unit to the 2-ST radio facility for processing staff traffic.

PROJECT DESCRIPTION

The project will require the design of a facility with the following functions

A. Supervisors or C. W. Position
B. 2 Manual OTP Positions
C. 1 RTTY Position or utilized for duplex land line operation
D. 1 AFSAM-7 Position
E. 1 Tiny Tot Position 25X1A5a
F. 1 Reproduction Unit

It is planned to house the Message Center in a modified two-wheel [redacted] approximately twelve feet long, ten feet high, and eight feet wide, towed by a two and one-half ton truck.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
August 1956	WAB /s/ JJK /s/	August 1956	

The project engineer accompanied by Mr. [redacted] of the Equipment Engineering Section visited the contractor to inspect the vans prior to the installation of the communications equipment. (See attached trip report). 25X1A9a

Due to the delay in delivery of Government Furnished Equipment, the two vans will not be completed on schedule. The original delivery date of 30 September 1957 will be extended approximately four to six weeks.

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-SPD		1-30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5084	I	SDS	[redacted] 25X1A9a

PROJECT TITLE

25X1A2d1

Maintenance Facility for the [redacted]

PROJECT REQUIREMENT

25X1A To design a maintenance facility for the support of special communications/ electronics equipment associated with the [redacted] Program

PROJECT DESCRIPTION

To provide drawings and specifications defining the space requirements, room configurations, power requirements and special test equipment, test benches, and necessary accessory equipment required for this facility.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
January 1957	WAB /s/ JJK /s/	January 1957	

25X1A9a [redacted] has assumed the responsibility for this project during the absence of the project engineer who will be on an overseas TDY assignment until December.

25X1A6a Prior to his departure to [redacted] on a PCS assignment, M[redacted] 25X1A9a [redacted], formerly of this section, was thoroughly briefed regarding an electronic maintenance facility for this Program at [redacted] 25X1A6a

25X1A6a [redacted] will contact and assist a team from the Office of Logistics in establishing plans for this facility prior to assuming his regular duties in the area.

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-E		1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-3088	I	EPS	[redacted] 25X1A6a

PROJECT TITLE

Electronic Motor Stop

PROJECT REQUIREMENT

Provide semi-automatic motor control, responsive to the reception of a forty-five second steady state signal for stopping the motors. The combined opening and closing of the signal line shall place the motors in operation.

PROJECT DESCRIPTION

Modify the Electronic Motor Stop drawing WE-20 so that it is also receptive to a steady state open circuit. A schematic drawing will be submitted to an outside contractor for a cost esitmate on 30 units. Twelve units will go to FIICA as per requistion #137-089-57. The balance of units will be placed in warehouse stock.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
13 January 1957	[redacted] 25X1A6a	21 January 1957	

The 15 Motor Stop units were not accepted from [redacted] 25X1A5a1 The two changes required in July were not made correctly and the following existed:

a) Only part of the AC power wiring was changed from #18 to #14 wire size.

b) When the 4 microfarad capacitor was changed to 3 microfarad, as requested in July, they changed the voltage rating from 400 volts to 200 volts. This lower rating caused the capacitors to go bad after about 5 minutes use.

The above problems are being corrected and the units will be delivered in the middle of October.

FIIN number 5/5815-H06-0645 has been assigned to the unit.

NSA has been contacted and they will fabricate Motor Stop units for parts cost plus labor. Their estimated price is $85. each which is $45. less than the [redacted] price. Motor Stop units will be ordered from NSA when all area requirements have been obtained. 25X1A5a1

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
CSD 6-352		1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5092	I	FES	[redacted] 25X1A9a

PROJECT TITLE

Fabrication of Tiny-Tots, Associated Components, and Modification Kits.

PROJECT REQUIREMENT

Make 162 Tiny-Tots as required by Commo. Security Division.

PROJECT DESCRIPTION

162 XD-91 Diplex Transmitter-Distributos will be modified for Tiny-Tot operation by complete rewiring and addition of components. A kit containing the required parts to modify the Model-19 and the Model-14 for Tiny-Tot operation will be assembled.

Components to complete 270 keyboard modifications kits will be fabricated. This quantity will fulfill the requirements for modification of keyboards on existing Tiny-Tot units and the 172 new units. The modification of the XD-91 will be performed by a local contractor as well as the fabrication of all the required components.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
21 February 1957	[redacted] 25X1A9a	25 February 1957	

There have not been any TD's delivered by [redacted] during September. 25X1A5a1 However, 20 units will be delivered on/about 1 October.

During this reporting period an order was placed [redacted] 25X1A5a1 for the manufacture of 36 completely modified Tiny Tot Teletypewriter sets and 12 Tiny Tot TD's. [redacted] proposal stated that it would require 5 to 6 months 25X1A5a1 to make delivery of these items. They have indicated verbally, however, that they will probably be able to make delivery by 1 January 1958. Prices for this equipment are as follows:

Tiny Tot set, Complete, Synchronous Motor	**$3327.66**
Tiny Tot set, Complete, Series Governed Motor	**$3389.66**
Tiny Tot TD, Series Governed Motor	**$ 657.00**

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-E		1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5093	I	EES	[redacted] 25X1A9a

PROJECT TITLE

Study of Television Interference Produced by Some Commo. Transmitters

PROJECT REQUIREMENT

A study of some Agency transmitting equipment is needed to determine the extent of television interference radiated from this equipment.

PROJECT DESCRIPTION

Determine what are acceptable standards in commercial and amateur practice insofar as harmonic radiation related to television interference is concerned.

Cause the types of equipment normally used by the Office of Communications to be subjected to tests to see if they meet the above specifications. This would include the RT-1, RT-1B, URT-11, RT-4, and RT-4.

If any of this equipment fails to meet the acceptable standards, determine what can be done to bring it within specifications. Recommend a course of action to be taken.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
20 February 1957	[redacted] 25X1A9a	21 February 1957	

The contractor, [redacted], has been notified of approval of the proposal and has been authorized by the Office of Logistics to proceed with the performance of Task Order Number 13. The contractor has accepted and the contract completion date is set at 16 February 1958. 25X1A5a1

[redacted] has notified us that the work on this project has just started. 25X1A5a1

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-E		1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5094	I	EES	[redacted]

25X1A9a

PROJECT TITLE

Radio Frequency Amplifiers (1,000 watts)

PROJECT REQUIREMENT Investigate specifications, cost and availability of RF power amplifiers in the 1,000 watt range to determine suitability for Commo. use. These must be compatable for use with existing or planned Commo. low power transmitters as the driving source.

PROJECT DESCRIPTION

Investigate commercial and military equipment to find a radio frequency amplifier covering the 2 to 32 megacycle range with approximately one kilowatt input on C.W. and also capable of linear amplifier operation to handle single sideband.

If any are found acceptable, to recommend procurement and stock levels.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
February 1957	[redacted]	February 1957	

25X1A9a

Delivery has not yet been made on the TMC PAL-350.

A new linear amplifier, Manufactured by [redacted] will be commercially available in November. The drive requirement is 20 watts for 1000 watts input on class C operation. AC power can be either 115 or 230 volts. The output network can match 40 to 600 ohms and the tuning is continuous from 3.5 to 30 megacycles. This amplifier costs $525. We wish to have someone cleared at this company so that we can approach them overtly to see if they will lend us an amplifier for test and evaluation. OC-E/Liaison is handling this clearance and mentions that it may take up to six weeks to be completed.

25X1A

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-O&T 57-062		1 -- 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5095	I	EES	[redacted] 25X1A9a

PROJECT TITLE

Automatic Frequency Scanning Devices

PROJECT REQUIREMENT

Equipment is needed for automatic frequency scanning and recording to replace the time consuming and inefficient manual method.

PROJECT DESCRIPTION

Investigate the availability, cost and specifications of U.S. Manufactured frequency scanning and recording equipment.

If none are available, general specifications will be written and contact made with equipment manufacturers to get an estimate of the cost of such equipment.

This cost information will be sent to the project originator and if approved, detail specifications will be written and the equipment procured.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
25 February 1957	[redacted] 25X1A9a	25 February 1957	

[redacted] was contacted three times this month concerning their developing an Automatic Frequency Scanning unit and apparently they have no firm interest in such a project. A conference was arranged between the Project Engineer and Mr. [redacted], but it did not take place. 25X1A5a1 25X1A5a1

A conference was held with [redacted] Operations and Training Division, and it was found that O&T has a requirement for only 20 units. It has been suggested that perhaps SPD and TSS might have a requirement for this type of equipment. We will investigate this, because based on the amount of units required will depend the next phase of this project. 25X1A9a

SECRET

SECRET

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-E		1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5099	I	EES	[redacted]

25X1A9a

PROJECT TITLE

Frequency Extension of the 231-D Transmitter

PROJECT REQUIREMENT

To determine the modification necessary to extend the upper frequency operating range of the [redacted] type 231-D Transmitter from 26 to 28.5 megacycles.

25X1A

PROJECT DESCRIPTION

This problem will be turned over to an outside consulting engineering firm for investigation. They will determine if the frequency range can be extended from 26 to 28.5 megacycles without major modifications. If the results indicate that this frequency extension is possible, a Modification Work Order and kits will be made to facilitate this modification on specific transmitters as directed by the Operations & Training Division.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
February 1957	[redacted]	March 1957	

25X1A9a

25X1A5a1

[redacted] have received delivery on the TER-5000 terminating resistor. With this item now on hand, work is progressing satisfactorily on this project. Power output of 1500 watts has been achieved on 28.5 mcs. and now work on the efficiency of the power amplifier and antenna loading circuits is being done.

The contract calls for delivery of the 14 modification kits four months after delivery of the terminating resistor. This places the completion date on this project as 15 January 1958.

A satisfactory inspection report was sent to the Office of Logistics.

SECRET

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-E/OC-O&T	$21,000	1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5102	I	EES	[redacted]

25X1A9a

PROJECT TITLE

Voice Link for 6-ST

PROJECT REQUIREMENT

Provide a voice link between the transmitter and receiver vans based on suggestions from operation [redacted].

25X1A2d1

PROJECT DESCRIPTION

25X1A6a

Design and install in the two 6-ST units currently at the [redacted] a voice link capable of providing communication between the transmitter and receiver vans. The link should have the following capabilities:

a. Power output and range approximating the MUX Link.
b. Be portable or work in conjunction with an extra portable unit.
c. Work into the present MUX antenna system or provide a seperate antenna system.

Once the above is accomplished, a modification work order will be published for the rework of the remaining 6-ST's.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
May 1957	[redacted]	May 1957	

25X1A9a

25X1A

The [redacted] Model P-7725 Audio filters have arrived and are ready for installation.

The R&D Laboratory has promised delivery of the P-33 Handie-Talkie mounting racks by 1 October 1957

Filters and racks will be installed and tested upon receipt of the racks.

S E C R E T

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-E		1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5103	I	EES	[redacted] 25X1A9a

PROJECT TITLE

Multiplex System for Base Station to Sub-Base Stations Communications

PROJECT REQUIREMENT

To provide a system of communications for base to sub-base operation to meet expanding communication commitments without extensive plant expansion.

PROJECT DESCRIPTION

Investigate and compile a report on the practicability of utilizing multiplex equipment on staff circuits, formulate systems where utilization is practical and make comparison costs with systems currently in use where expansion is contemplated or in areas where expanding communication commitments to staff circuits could justify multiplex communications.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
May 1957	[redacted] 25X1A9a	May 1957	

Further investigation on tone receiving equipment which would be compatible with Kahn tone transmitting equipment, was initiated per request of Chief, OC-E. Suitable equipment for this system has not been located to date and this investigation will continue.

Information on propagation curves on the [redacted] Base station to the [redacted] Sub-Base stations using teletype was also requested by Chief, OC-E. Preliminary investigation indicated that good coverage of six stations from either Base station can be accomplished with one transmitter. 25X1A6a 25X1A6a

The report submitted to OC-E during the last reporting period was returned with a request for the above information.

S E C R E T

SECRET

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-E		1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5104	I	FES	[redacted] 25X1A9a

PROJECT TITLE

Sleeve Type Antenna Kit for 7-21 Mcs.

PROJECT REQUIREMENT

To provide a sleeve type antenna kit in a compact packaged form which can be easily erected by two men in a short time.

PROJECT DESCRIPTION

To make a preliminary study of possible ways to construct this type antenna and then to write specifications and make suggested type construction drawings which can be used for having these made by a commercial firm under a contract.

APPROVAL DATE	APPROV	STARTING DATE	COMPLETION DATE
July 1957	[redacted] 25X1A9a	July 1957	

Due to work of higher priority the Drafting Section was forced to delay work on the drawings. Work has been resumed on these drawings which should be completed in October.

The specifications have been written and are available to be submitted for bids as soon as the drawings are completed.

SECRET

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY.58 AMOUNT	REPORTING PERIOD
OC-E	$5,000	1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5105	I	EES	[redacted] 25X1A9a

PROJECT TITLE

HT-4 Exciter Modification

PROJECT REQUIREMENT

Some of the HT-4 transmitters do not have sufficient output from the exciter between 18 and 30 megacycles to drive the power amplifier to full output.

PROJECT DESCRIPTION

The exciter circuitry will be investigated to find methods of increasing its output in the 18 to 30 megacycle range. Any changes necessary will be kept as simple as possible. An outside consulting firm may be called in on this problem if additional help is needed. When the exciter drive is increased to the proper level, modification kits will be made up to be used in conjunction with Modification Work Order #7 (Revised).

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
August 1957	[redacted]		25X1A9a

25X1A5a1 [redacted] evaluated four HT-4 tuning units provided by EES. Their evaluation shows that in all cases the tuning units do not fully cover the ranges they were designed to cover.

25X1A5a1 The above tuning units, plus two units modified by [redacted] for a prior project, Modification of HT-4 for PMO Use, were checked on T&I stock trans-
25X1A5a1 mitters. [redacted] findings were verified and the modified units were found to be more efficient, although still not as efficient as desired. Further modification will be made to correct this.

25X1A5a1 A prototype modification kit will be made by [redacted] using their findings and suggestions from SEB.

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. 58 AMOUNT $10,000	REPORTING PERIOD
OC-E		1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5106	I	EES	[redacted] 25X1A9a

PROJECT TITLE

Mechanical Transmitter Interlock Switches

PROJECT REQUIREMENT

To increase the safety features of the 16-F and 231-D type transmitters by providing a mechanically actuated switch that will ground the high voltage when the doors of these transmitters are opened.

PROJECT DESCRIPTION

Determine the type and quantity of switches for each type of transmitter. Have an outside consulting firm investigate the circuitry and construction of the 16-F and 231-D type transmitters for the best possible arrangement of wiring and placement of the switches.

This firm will also purchase the switches and other hardware to make an amount of kits, complete with installation instructions.

Secure authorization to make installation of these switches mandatory.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
August 1957	[redacted]	August 1957	25X1A9a

The firm of [redacted] is drafting a proposal for this task and it should be on hand approximately 15 October. 25X1A5a1

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-E/SEB/SDS		1-30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5107	I	SDS	[redacted] 25X1A9a

PROJECT TITLE

Standardization of Antenna and Transmission Line Construction Drawings and Materials

PROJECT REQUIREMENT

To compile a complete set of construction drawings and bills of materials for commonly used antennas and transmission lines.

PROJECT DESCRIPTION

Transmission line drawings and bills of materials will be shown on 8-1/2" x 11" sheets, and antenna drawings and bills of materials will be shown on larger sheets. This material will be bound in booklet form and dispatched to each overseas area when completed, and originals will be filed at Headquarters.

APPROVAL DATE	APPR	STARTING DATE	COMPLETION DATE
August 1957	[redacted]	August 1957	25X1A9a

The final scaled drawings of the transmission line equipment are now being prepared by the drafting room. Approximately fifteen of these drawings have been checked and the revised copies will soon be finished. It is expected that drafting of the antenna drawings will begin within one week.

Considerable effort was put forth toward obtaining complete drawings and bills of materials of all the Agency antenna and transmittion line kits which are available in stock. It was found that very little information could be found concerning the extent of any one kit. About twenty-two bills of materials of Agency equipment have been gathered. A copy of these is being made and will be distributed as general information to the warehouse, MSB, EES, IMB, and SDS.

SECRET

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-O&T		1-30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5112	I	SDS	[redacted] 25X1A9a

PROJECT TITLE

[redacted] Base Radio Station (Base I) 25X1A6a 25X1A6a

PROJECT REQUIREMENT To design a Base Radio Station to be built in [redacted] in support of the [redacted] Radio Base Program. The station will duplicate the facilities of [redacted] which is to be moved from [redacted] for use as a base station while the new station is being constructed. 25X1A6a 25X1A6a 25X1A

PROJECT DESCRIPTION

This project will be divided into two phases. Phase One will be to determine the size of the areas needed & the type and style of buildings; to formulate the logistics support required; and to prepare a suggested antenna layout. Since the base is to be built [redacted] we plan to use standard [redacted] building drawings to reduce A&E costs. 25X1C4d 25X1C4d

Discussions will be held with representatives [redacted] to outline our requirements so that they may suggest bases where these requirements can best be met. Phase Two will consist of more detailed planning based on the out come of these discussions. 25X1C4d

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
September 1957	[redacted] 25X1A9a	September 1957	

The initial requirement of this project was to determine the type and sizes of buildings required, the Logistic support needed, and a suggested antenna layout.

Many [redacted] drawings have been viewed in an effort to find a suitable building to house the transmitter and receiver stations. A choice has been made to be presented as a suggestion of two buildings which were listed as standard [redacted] drawings. 25X1C4d 25X1C4d

Some minor modifications will be necessary for our use. Drawings for emergency power stations have been obtained which fit our needs very well.

The size of the hardstand required for the operation of [redacted] has been established. Other than the coverage area required for agent use, the antenna layout is uncertain. It has been stated that three staff circuits will be required. Proceeding on the premise that the staff circuits may be in any direction, the size of the antenna field was determined. It is suggested that the receiver station antenna layout should be a duplicate of that at the transmitter. A suggested antenna layout has been prepared, and the buildings, [redacted] hardstand, and the antenna farm have been incorporated in a sketch indicating possible layouts. 25X1A 25X1A

SECRET

SECRET

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
CC-E		1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5113	I	EES	[redacted] 25X1A9a

PROJECT TITLE

Thermocouples and Meters as used in the TAC-1 Antenna Tuner

PROJECT REQUIREMENT

To provide a modification and/or operating information which will preclude damaging the thermocouples and meters.

PROJECT DESCRIPTION

Determine what is causing the thermocouples and meters to burn out. Provide the proper modification or instructions to prevent damaging these parts.

APPROVAL DATE	APPROVE	STARTING DATE	COMPLETION DATE
September 1957	[redacted]	September 1957	25X1A9a

Two new meters and thermocouples were requisitioned from stock for testing and the results of this test are in the attached Memorandum to the File by [redacted] dated 16 September 1957. 25X1A9a

This test indicated that when currents of over three amperes are present in the TAC-1, the antennas and transmission lines are very inefficient. Good engineering practice would dictate a second look at the antenna/transmission line when such aberrant readings were noted. However, since this cannot always be expeditiously accomplished, a study will be made to investigate the feasibility of shunting one or both of the thermocouples of the TAC-1 with an adequate switch.

SECRET

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MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. 1958 AMOUNT $60,000	REPORTING PERIOD
OC-SP/EA		1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5114	I	SEB/SDS	[redacted] 25X1A9a

PROJECT TITLE

Communications Link for [redacted] 25X1A 25X1A2d1

25X1A

PROJECT REQUIREMENT

To provide duplex radio teletype facilities between the [redacted] and [redacted] 25X1A6a

PROJECT DESCRIPTION

Make a mathematical study to determine systems gain required and percentage of reliability which may be expected over this path using High Frequency, Very High Frequency and Tropospheric Scatter. From this information a comparative cost chart will be made. The final phase will be the actual selection and ordering of the equipment. This project will include the detailed system engineering for the equipment and antenna installation.

APPROVAL DATE	APPROVE	STARTING DATE	COMPLETION DATE
September 1957	[redacted]	August 1957	25X1A9a

25X1A9a

Mr. [redacted] OC/SPD returned from the area with detailed information concerning the site. Maps covering the communications path have been secured and turned over to a local consultant. They will make a mathematical study covering various types of communication circuits and the reliability to be expected with each type. From this information comparative cost charts will be made before final selection of type of service and equipment required.

SECRET

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. 58 AMOUNT $500.	REPORTING PERIOD
OC-E		1 - 30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5115	I	EES	[redacted] 25X1A9a

PROJECT TITLE: Standardization of VHF Mobile/AC Utility Transmitter-Receiver in the Range of 144 to 174 Megacycles

PROJECT REQUIREMENT

TSS and Communication requirements necessitiates the selection for standardization of a 25 watt mobile VHF Transmitter-Receiver of the highest efficiency and most flexibility.

PROJECT DESCRIPTION

To determine by evaluation and comparison the best of a number of commercially available mobile/AC utility units. A suitable unit will be selected and recommended for standardization.

APPROVAL DATE	APPROVE	STARTING DATE	COMPLETION DATE
September 1957	[redacted] 25X1A9a	September 1957	

Meetings were held during the month with the Support Branch/O&T and TSS Personnel to determine operational and quantitative requirements for the above type equipment. See attached Memorandum to the File, dated 12 September 1957.

An analysis of various commercial type equipment has been initiated. A recommendation will be soon forth coming as to a unit recommended considering flexibility, compactness, efficiency, and availability.

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
[redacted] 56-2716, CPL 7-006		1-30 September 1957

☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5344	I	SDS	[redacted] 25X1A9a

PROJECT TITLE

25X1A6a New Receiver Facility [redacted]

PROJECT REQUIREMENT

To construct a new permanent type radio receiving facility. Present receiving facilities are inadequate due to interference from transmitters located in close proximity and high electrical noise in the area.

PROJECT DESCRIPTION

To design and coordinate layout of receiver station with the Real Estate and Construction Division, Office of Logisitics and appropriate Office of Communications divisions.

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
April 1957	[redacted]	April 1957	25X1A9a

A progress report for the month of August was received on the construction phase of this project (Dispatch Number [redacted] 25X1A6a.

The progress is as follows:

1. The ground radial system, as specified in our drawings, was completed on 7 August;
2. Two of three culverts for the main access road have been completed;
3. main access road is now being graded according to specifications;
4. the foundations for the receiver, generator and guard shack buildings were completed on 21 August;

The contractor stated that the entire construction phase of this project will be completed prior to 1 December.

~~S E C R E T~~

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-O&T 54-237		1 September-30 September

☐ FUTURE ☐ ACTIVE ☐ COMPLETED ☐ CANCELLED ☒ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5350	I	SDS	[redacted] 25X1A9a

PROJECT TITLE

[redacted] 25X1A6a

PROJECT REQUIREMENT

To furnish Engineering support to Project [redacted]. 25X1A2d1

PROJECT DESCRIPTION

On 27 August 1954, OC-O&T 54-237 requested OC-E to prepare a cost estimate and bill of materials for subject station. This data was fordarded to OC-O&T on 21 July 1955. [redacted] was received on 18 May 1957 and requested antenna field dimensions and drawings. 25X1A2d1

The Engineering support to this project will include drawings depicting the suggested antenna field for both sites, and detailed construction drawings for these antennas; also, any other engineering support requested by the field.

25X1A9a

APPROVAL DATE	APPROVED	STARTING DATE	COMPLETION DATE
May 1957	[redacted]	May 1957	

[redacted] requested two (2) dehumidifiers. After securing a recommendation from the RE and C Division, OL, two dehumidifiers along with automatic control units were chosen and requisitioned. MEB will air ship these items to [redacted] 25X1A2d1 25X1A6a

This project now returns to suspended status.

SECRET

MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST. FY. AMOUNT	REPORTING PERIOD
OC-E/OC-P		1 - 30 September 1957

☐ FUTURE ☐ ACTIVE ☐ COMPLETED ☒ CANCELLED ☐ SUSPENDED

PROJECT NUMBER	PRIORITY CLASS	PRIM. RSPN.	PROJECT ENGINEER
E-5363	I	EES	[redacted]

25X1A9a

PROJECT TITLE

[redacted] Buildings Maintenance

25X1A6b

PROJECT REQUIREMENT

[redacted] Investigate the cost of Maintenance and the state of deterioration of the Station Buildings (ENG 7-373, CPL 7-014).

25X1A6b

PROJECT DESCRIPTION

Prepare a report of Maintenance Costs to include:

A. Annual maintenance costs (1952 to present).
B. The expected maintenance cost for (future).
C. Replacement of present inadequacies (roof, etc).
D. Replacement of future facilities (heating plant, etc.).

This report will be prepared with the goal of possibily rebuilding the [redacted] complex as outlined in ENG 7-373.

25X1A6b

APPROVAL DATE	APPROVED [redacted]	STARTING DATE	COMPLETION DATE
MAY 1957		MAY 1957	

25X1A9a

25X1A6a

[redacted] has reviewed our request for information regarding their maintenance problem and reported that, in their opinion, the information requested is impossible to compile, and furthermore suggest that the time is premature to do anything but continue to maintain [redacted]

25X1A6b

This decision was reviewed with O&T [redacted] and OC-P [redacted] and with their concurrence this project will now be concelled.

25X1A9a
25X1A9a

SECRET